

DOCUMENT-IDENTIFIER: US 20030090012 A1

TITLE: Methods of making  
polarization rotators and articles  
containing the polarization  
rotators

----- KWIC -----

Detail Description Paragraph - DETX (26):

[0052] As yet another example, a polarization rotator element can be a formed using a liquid crystal material whose director rotates along the thickness axis of the polarization rotator element by a twist angle,  $\phi$ , which is much smaller than a phase retardation,  $\gamma$ , of the polarization rotator element. The phase retardation is given by:

Claims Text - CLTX (12):

11. The method of claim 10, wherein forming an aligned liquid crystal layer comprises forming the aligned liquid crystal layer with a twist angle that is substantially small than a phase retardation of the aligned liquid crystal layer.

Claims Text - CLTX (14):

13. The method of claim 12, wherein forming an aligned liquid crystal layer

comprises forming the aligned liquid crystal layer with a twist angle that is substantially small than a phase retardation of the aligned liquid crystal layer.